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a controller connected to said display device;

an input operation device connected to said controller; and

a camera.

wherein said flat panel display is capable of displaying a plurality of pieces of information at a time, and

wherein said display device, said controller, said input operation device and said camera are adapted to be used by the same user.

REMARKS

In the Final Rejection, the Examiner has the following rejections under 35 U.S.C. §103(a):

1. Claim 1 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al.;
2. Claims 2 and 4 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al. and further in view of Funai et al.;
3. Claim 3 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al. taken with Funai et al. and further in view of Oka et al.;
4. Claim 5 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al. further in view of Intriligator taken with Lewis;
5. Claim 6 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al. and further in view of Nishi et al.;
6. Claims 7, 13 and 19-21 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al.;

7. Claims 8, 10, 14 and 16 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al and further in view of Funai et al.;
8. Claims 9 and 15 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al taken with Funai et al. and further in view of Oka et al.;
9. Claims 11 and 17 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al and further in view of Intriligator taken with Lewis; and
10. Claims 12 and 18 as being unpatentable over Schoolman taken with Dwyer, III in view of Beller et al and further in view of Nishi et al.

These rejections are respectfully traversed.

The present invention, as claimed, is directed to an information processing device comprising a controller, an input operation device and a display device mounted on the head of a user. As recited in the amended and new independent claims, the information processing device further comprises a camera or image pick-up device, and the display device, controller, input operation device and the camera or input pick-up device are adapted to be used by the same user.

Applicants have reviewed the cited references and believe that none disclose or suggest these features.

Further, it is respectfully submitted that the combination of these references to arrive at the claimed invention could only be done by hindsight reconstruction. using the claims as a blueprint. Such an analysis and combination are improper. See e.g. Ecolochem Inc. v. Southern California Edison, 56 USPQ2d 1065, 1072-1076 (Fed. Cir. 2000). Further, the Court of Appeals for the Federal Circuit requires some teaching or suggestion in the references in order to combine them to arrive at the claimed invention. Id. No such teaching or suggestion exists here.

For example, Beller discloses a camera system 15. When the head mounted display of Beller is mounted on the head of a user, the camera system 15 is also mounted on the head of a user. As recited in the Abstract, the system in Beller provides interactive visual and audio communications between "...a user of the head mounted system and an operator of a *remote system*" (emphasis added). The camera system picks up an image within at least a portion of the user's field of view. This is accomplished by mounting the camera system on the head of the user. Data representing the image is transmitted to the remote system of the operator. This system is designed for remote equipment maintenance and repair work so that the repair person can have a hands-free operation while communicating with a remote supervisor who can see the problem before the repair person and offer verbal assistance (see col. 1, lns. 32-44). There is no suggestion given for use of these two separate components by the same user nor any reason to do so. Nor is there any suggestion that this reference could be combined with the teaching of the other cited references. Hence, the combination of the references is improper, and the rejection should be withdrawn.

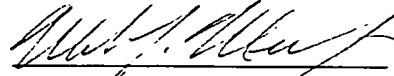
Therefore, it is respectfully submitted that the cited references do not disclose or suggest the information processing device of the independent claims and those claims dependent thereon. Hence, it is requested that these claims now be allowed.

If any further fee is due for additional claims or the extension of time, please charge our deposit account 50/1039.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,

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Marked-up copies of the claims as amended:

1.(Twice Amended) An information processing device comprising:
a display device having flat panel displays for right and left eyes mounted on the head of a user;
a controller connected to said display device;
an input operation device connected to said controller; and
a camera [provided over said input operation device],
wherein said flat panel displays are capable of displaying a plurality of pieces of information at a time, and
wherein said display device, said controller, said input operation device and said camera are adapted to be used by the same user.

7 (Twice Amended). An information processing device comprising:
a display device having flat panel displays for right and left eyes mounted on [the] a head of a user, each of said flat panel displays comprising a pixel thin film transistor and a driver thin film transistor provided [on] over a same substrate, said driver thin film transistor provided in a driving circuit;
a camera;
a controller; and
an input operation device connected to said controller,
wherein said controller transmits a signal in the form of an electric wave to said display device and wherein said flat panel displays are capable of displaying a plurality of pieces of information at

a time [and wherein a clock signal supplied to said driving circuit has a frequency of 50MHz to 60MHz],

wherein said display device, said controller, said input operation device and said camera are adapted to be used by the same user.

13 (Twice Amended). An information processing device comprising:

a display device having flat panel displays for right and left eyes mounted on a head of a user;

a controller;

an input operation device connected to said controller; and

an image pick-up device [provided over said input operation device],

wherein said controller transmits a signal in the form of an electric wave to said display device, wherein said image pick-up device converts at least images of said input operation device and a hand of said user into electrical signals and supplies said electrical signals to said controller and wherein said flat panel displays display a plurality of pieces of information including at least said images of the input operation device and said hand of the user at a time, and

wherein said display device, said controller, said input operation device and said image pick-up device are adapted to be used by the same user.

Please add new claims as follows.

22. (New) An information processing device comprising:

a display device having flat panel displays for right and left eyes mounted on a head of a user, each of said flat panel displays comprising a pixel thin film transistor and a driver thin film transistor provided over a same substrate, said driver thin film transistor provided in a driving circuit;

a controller connected to said display device;

an input operation device connected to said controller; and

a camera,

wherein said flat panel displays are capable of displaying a plurality of pieces of information at a time, and

wherein said display device, said controller, said input operation device and said camera are adapted to be used by the same user.

23. (New) An information processing device comprising:

a display device having a flat panel display mounted on a head of a user;

a controller connected to said display device;

an input operation device connected to said controller; and

a camera;

wherein said flat panel display is capable of displaying a plurality of pieces of information at a time, and

wherein said display device, said controller, said input operation device and said camera are adapted to be used by the same user.

24. (New) An information processing device comprising:

a display device having a flat panel display mounted on a head of a user, said flat panel display comprising a pixel thin film transistor and a driver thin film transistor provided over a same substrate, said driver thin film transistor provided in a driving circuit;

a camera;

a controller; and

an input operation device connected to said controller,

wherein said controller transmits a signal in the form of an electric wave to said display device and wherein said flat panel display is capable of displaying a plurality of pieces of information at a time, and

wherein said display device, said controller, said input operation device and said camera are adapted to be used by the same user.

25. (New) An information processing device comprising:

a display device having a flat panel display mounted on a head of a user;

a controller;

an input operation device connected to said controller; and

an image pick-up device;

wherein said controller transmits a signal in the form of an electric wave to said display device, wherein said image pick-up device converts at least images of said input operation device and a hand of said user into electrical signals and supplies said electrical signals to said controller and wherein said flat panel display displays a plurality of pieces of information including at least said images of the input operation device and said hand of the user at a time, and

wherein said display device, said controller, said input operation device and said image pick-up device are adapted to be used by the same user.

26. (New) An information processing device comprising:

a display device having a flat panel display mounted on a head of a user, said flat panel display comprising a pixel thin film transistor and a driver thin film transistor provided over a same substrate, said driver thin film transistor provided in a driving circuit;

a controller connected to said display device;

an input operation device connected to said controller; and

a camera,

wherein said flat panel display is capable of displaying a plurality of pieces of information at a time, and

wherein said display device, said controller, said input operation device and said camera are adapted to be used by the same user.